

## Safety Attribute Inspection (SAI) Data Collection Tool

### 5.1.2 Weather Reporting / SAWRS (AW)

#### ELEMENT SUMMARY INFORMATION

**Purpose of this Element** (certificate holder's responsibility):

- For the certificate holder to comply with the requirements of the Weather Reporting/SAWRS process and to perform their duties and responsibilities to a high degree of safety.

**Objective** (FAA oversight):

- To determine if the certificate holder's Weather Reporting/SAWRS process meets all applicable requirements of Title 14 of the Code of the Federal Regulations (14 CFR) and FAA policies.
- To determine if the certificate holder's Weather Reporting/SAWRS process incorporates the safety attributes.
- To identify any shortfalls in the certificate holder's Weather Reporting/SAWRS process.

**Specific Instructions:**

- Intentionally left blank

#### SUPPLEMENTAL INFORMATION

**Specific Regulatory Requirements (SRRs):**

- SRRs:
  - 121.101(a)
  - 121.119(a)
  - 121.135(a)(1)
  - 121.135(b)(1)
  - 121.135(b)(2)
  - 121.135(b)(3)

**Related CFRs & FAA Policy/Guidance:**

- Related CFRs:
  - Intentionally left blank
- FAA Policy/Guidance:
  - FAA Order 8300.10, Airworthiness Inspector's Handbook, volume 3, chapter 145.



### SAI SECTION 1 - PROCEDURES ATTRIBUTE

**Objective:** Procedures, instructions, and information contained in the certificate holder's manual are documented methods for accomplishing a process. Policies contained in the certificate holder's manual should establish the certificate holder's compliance posture. Policies may not be stand-alone statements but may be embedded within procedures, instructions, or information regarding a particular regulatory requirement. The questions in this section of the data collection tool (DCT) are designed to assist the inspector in determining if the certificate holder's manual has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated questions regarding who, what, when, where, and how. This section contains policy questions, procedural questions, and instructional or informational questions pertaining to various types of certificate holder requirements such as actions, prohibitions, or resources (i.e., personnel, facilities, equipment, technical data, etc.).

#### Tasks

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|    | To meet this objective, the inspector must accomplish the following tasks:   |
| 1. | Review the information listed in the Supplemental Information section of this DCT.   |
| 2. | Review the duties and responsibilities for management and other personnel identified by the certificate holder who accomplishes the Weather Reporting/SAWRS process.     |
| 3. | Review the certificate holder's manual to ensure that it contains policies, procedures, instructions, and information necessary for the Weather Reporting/SAWRS process. |

#### Questions

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|      | To meet this objective, the inspector must answer the following questions:   |   |
| 1.   | Does the content of the certificate holder's manual meet the specific regulatory and FAA policy requirements for a Weather Reporting/SAWRS process:  |   |
| 1.1. | <p>Does the domestic or flag certificate holder's manual show that enough weather reporting services are available along each route to ensure weather reports and forecasts necessary for the operation?</p> <p>SRRs: 121.101(a)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>Check that the certificate holder's manual system has instructions that show enough weather reporting services are available along each route to ensure weather reports necessary for the operation.</li> </ol> <p>Sources: 121.101(a); 121.135(b)(24)</p> <p>Interfaces: 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.4(OP); 3.1.7(OP); 3.1.9(OP); 3.1.10(OP); 3.1.13(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP); 4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 4.3.3(OP); 5.1.3(AW); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <ol style="list-style-type: none"> <li>Check that each certificate holder's manual system conducting operations shall have information that adopts an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight on each route to be flown.</li> </ol> <p>Sources: 121.101(d); 121.135(b)(24)</p> <p>Interfaces: 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.4(OP); 3.1.7(OP); 3.1.9(OP); 3.1.10(OP); 3.1.13(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP);</p> | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |



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|      | <p>4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 4.3.3(OP); 5.1.3(AW); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>3. Check that each certificate holder's manual system conducting operations shall have information that adopts an approved system for obtaining reports of adverse weather phenomena that may affect safety of flight at each airport to be used.<br/><i>Sources:</i> 121.101(d); 121.135(b)(24)<br/><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.4(OP); 3.1.7(OP); 3.1.9(OP); 3.1.10(OP); 3.1.13(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP); 4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 4.3.3(OP); 5.1.3(AW); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>4. Check that each certificate holder's manual system conducting operations shall have instructions to use an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight on each route to be flown.<br/><i>Sources:</i> 121.101(d); 121.135(b)(24)<br/><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.4(OP); 3.1.7(OP); 3.1.9(OP); 3.1.10(OP); 3.1.13(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP); 4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 4.3.3(OP); 5.1.3(AW); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>5. Check that each certificate holder's manual system conducting operations shall have instructions to use an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight at each airport to be used.<br/><i>Sources:</i> 121.101(d); 121.135(b)(24)<br/><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.4(OP); 3.1.7(OP); 3.1.9(OP); 3.1.10(OP); 3.1.13(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP); 4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 4.3.3(OP); 5.1.3(AW); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> |  |
| 1.2. | <p>Does the supplemental certificate holder's manual show that it may not use any weather report to control flight unless the report was prepared and released by the U.S. National Weather Service or a source approved by the Weather Bureau?</p> <p>SRRs: 121.119(a)</p>  | <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No, Explain</p> <p><input type="checkbox"/> Not Applicable</p> |
| 1.3. | <p>Does the certificate holder's Weather Reporting/SAWRS process comply with the guidance contained in FAA Order 8300.10?</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station provides a system test and inspection requirements as outlined in FAR Part 43, Appendix E when two aircraft-type sensitive altimeters (meets TSO C10B) are used as altimeter setting sources.</p>   | <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No, Explain</p>  |



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|    | <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p>  |  |
| 2. | <p>Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has provided that all aircraft type altimeters have been calibrated every 24 months after initial certification by an FAA approved instrument repair station.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(f)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> |  |
| 3. | <p>Check that the certificate holder's manual system contains instructions that ensure each SAWRS station has provided a facility that is maintained at a reasonably consistent temperature.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(c)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p>   |  |
| 4. | <p>Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has provided the altimeter source setting facility that is free from drafts.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(c)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p>  |  |
| 5. | <p>Check that the certificate holder's manual system contains instructions that ensures each SAWRS station is properly vented (outside static source) if an error in excess of 10 feet is induced by the use of forced air systems upon the altimeters.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(d)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 1.3.14(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p>      |  |
| 6. | <p>Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has altimeters that are mounted in a box or rack to preclude damage from mishandling.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a)</p>   |  |



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|    | <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 1.3.14(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>7. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has altimeters that are mounted in a reasonable, permanent location.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 1.3.14(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>8. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has a facility, which has established a known height above sea level, plus or minus one foot, that is marked on the instruments or posted immediately adjacent to them.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(b)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 1.3.14(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 4.2.6(OP); 5.1.4(AW); 5.1.5(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> <p>9. Check that the certificate holder's manual system contains instructions that ensure each SAWRS station has a method established to communicate the altimeter setting information to the pilot.</p> <p><i>Sources:</i> 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (2)</p> <p><i>Interfaces:</i> 1.3.7(AW); 1.3.8(AW); 1.3.11(AW); 1.3.14(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.3(OP); 3.1.9(OP); 3.1.10(OP); 3.2.1(OP); 3.2.2(OP); 3.2.3(OP); 4.2.3(OP); 4.2.5(OP); 4.2.6(OP); 4.2.7(OP); 4.2.11(OP); 5.1.4(AW); 5.1.5(OP); 5.1.6(OP); 5.1.7(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW); 7.2.1(OP)</p> |  |
| 2. | <p>Does the certificate holder's manual contain general policies for the Weather Reporting/SAWRS process that comply with the SRRs?</p> <p>SRRs: 121.101(a); 121.119(a); 121.135(b)(1)</p>   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 3. | <p>Does the certificate holder's manual reference the appropriate Federal Aviation Regulations listed in the Supplemental Information section of this safety attribute inspection (SAI)?</p> <p>SRRs: 121.135(b)(3)</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 4. | <p>Does the certificate holder's manual contain the duties and responsibilities for personnel who will accomplish the Weather Reporting/SAWRS process?</p> <p>SRRs: 121.135(b)(2)</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 5. | <p>Does the certificate holder's manual include instructions and information for personnel to meet the requirements of the Weather Reporting/SAWRS process?</p> <p>SRRs: 121.135(a)(1)</p>   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |







| SAI SECTION 1 - PROCEDURES ATTRIBUTE<br>Drop-Down Menu |   |
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| 1.   | No procedures, policy, instructions or information specified.   |
| 2.   | Procedures or instructions and information do not identify (who, what, when, where, how).   |
| 3.   | Procedures, policy or instructions and information do not comply with CFR.  |
| 4.   | Procedures, policy or instructions and information do not comply with FAA policy and guidance.  |
| 5.   | Procedures, policy or instructions and information do not comply with other documentation (e.g., manufacturer's data, Jeppesen's Charts, etc.).                               |
| 6.   | Procedures, policy or instructions and information unclear or incomplete.   |
| 7.   | Documentation quality (e.g., unreadable or illegible).  |
| 8.   | Procedures, policy or instructions and information inconsistent across Certificate Holder manuals (FOM - Flight Operations Manual to GMM - General Maintenance Manual, etc.). |
| 9.   | Procedures, policy or instructions and information inconsistent across media (e.g., paper, microfiche, electronic).   |
| 10.  | Resource requirements incomplete (personnel, facilities, equipment, technical data).  |
| 11.  | Other.  |



## SAI SECTION 2 - CONTROLS ATTRIBUTE

**Objective:** Controls are checks and restraints designed into a process to ensure a desired result. The questions in this section of the DCT are designed to assist the inspector in determining if checks and restraints are designed into the process to ensure the desired result is achieved. Controls should be written into the manual system to ensure that the most important manual policies, procedures, or instructions and information will be followed.

Controls may be in the form of administrative controls, which are secondary or supplemental written procedures. Like written procedures, administrative controls also need to provide answers to questions regarding who, what, when, where, and how. Controls may also be in the form of engineered controls, such as automated features or mechanical actions or devices (i.e., safety devices, warning devices, etc.).

### Tasks

To meet this objective, the inspector must accomplish the following tasks:

1. Review the control questions below.
2. Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the controls that it has documented.

### Questions

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|       | To meet this objective, the inspector must answer the following questions:   |   |
| 1.    | Are the following controls built into the Weather Reporting/SAWRS process:   |   |
| 1.1.  | Is there a control or controls in place to ensure that the dispatcher/flight follower provides current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.2.  | Is there a control or controls in place to ensure that the pilot receives current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations?                      | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.3.  | Is there a control or controls in place to ensure that the SAWRS station provides current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations?              | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.4.  | Is there a control or controls in place to ensure that the dispatcher/flight follower provides sufficient weather reports along the route of operation?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.5.  | Is there a control or controls in place to ensure that the SAWRS station maintains approval by the U.S. National Weather Service?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.6.  | Is there a control or controls in place to ensure that the flight crew uses only weather reports approved by the U.S. National Weather Service?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.7.  | Is there a control or controls in place to ensure that the dispatch/flight follower uses only weather reports approved by the U.S. National Weather Service?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.8.  | Is there a control or controls in place to ensure that the flight crew uses only weather reports approved by the Administrator?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.9.  | Is there a control or controls in place to ensure that the dispatcher/flight follower uses only weather reports approved by the Administrator?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.10. | Is there a control or controls in place to ensure that the SAWRS station provides  | <input type="checkbox"/> Yes  |



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|       | reports of adverse weather phenomena?   | <input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable                                 |
| 1.11. | Is there a control or controls in place to ensure that the dispatch/flight follower uses only weather reports approved by the Administrator for operations at U.S. military airports? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.12. | Is there a control or controls in place to ensure that the flight crew uses only weather reports approved by the Administrator for operations at U.S. military airports?              | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.13. | Is there a control or controls in place to ensure that the SAWRS station performs tests in accordance with Appendix E of Part 43 on its aircraft type altimeters?                     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.14. | Is there a control or controls in place to ensure that the SAWRS station performs calibrations every 24 months on its aircraft type altimeters?                                       | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.15. | Is there a control or controls in place to ensure that the SAWRS station controls environmental conditions to reduce induced errors?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.16. | Is there a control or controls in place to ensure that the SAWRS station has proper venting for altimeters that use forced air systems?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.17. | Is there a control or controls in place to ensure that the SAWRS station properly mounts its altimeters in a box or rack in a reasonable, permanent location?                         | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.18. | Is there a control or controls in place to ensure that the SAWRS station properly mounts and marks its altimeters at a known height?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.19. | Is there a control or controls in place to ensure that the SAWRS station personnel are properly trained and qualified?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.20. | Is there a control or controls in place to ensure that the SAWRS station maintains the equipment used to communicate to the pilot?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.21. | Is there a control or controls in place to ensure that the certificate holder maintains training records for personnel at non-federal weather reporting facilities?                   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.22. | Is there a control or controls in place to ensure that non-federal weather reporting facilities are maintained in accordance with the certificate holder's policies and procedures?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 2.    | Does the certificate holder have a documented method for assessing the impact of any changes made to the controls in the Weather Reporting / SAWRS process?                           | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |



| <b>SAI SECTION 2 - CONTROLS ATTRIBUTE</b><br><b>Drop-Down Menu</b> |  |
|--|--|
| 1.   | No controls specified.   |
| 2.   | Documentation for the controls do not identify (who, what, when, where, how).        |
| 3.   | Controls incomplete.   |
| 4.   | Controls could be circumvented.  |
| 5.   | Controls could be unenforceable.   |
| 6.   | Resource requirements incomplete (personnel, facilities, equipment, technical data). |
| 7.   | Other.   |



### SAI SECTION 3 - PROCESS MEASUREMENT ATTRIBUTE

**Objective:** Process measurements are used by the certificate holder to measure and to assess its processes, to identify and to correct problems or potential problems, and to make improvements to the processes. The questions in this section of the DCT are designed to assist the inspector in determining if the certificate holder measures or assesses information to identify, analyze, and document potential problems with the process. Process measurements are a certificate holder's internal evaluation or auditing of the most important policies, procedures, or instructions and information associated with an element.

To prevent the duplication of work, process measurements are most commonly addressed through a combination of auditing features contained in both the certificate holder's safety program/internal evaluation program (for operations and cabin safety-related issues) and the auditing function of the Continuous Analysis and Surveillance System (for airworthiness or maintenance/inspection-related issues). The director of safety and the quality assurance department often work together to accomplish this function for the certificate holder. This approach requires amendment of the safety program/internal evaluation program audit forms or checklists and the Continuous Analysis and Surveillance System audit forms or checklists to include the specific process measurements for each element.

#### Tasks

|    |  |
|----|--|
|    | To meet this objective, the inspector must accomplish the following tasks:   |
| 1. | Review the process measurement questions below.  |
| 2. | Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the process measurements that it has documented. |

#### Questions

|      |  |   |
|------|--|---|
|      | To meet this objective, the inspector must answer the following questions:   |   |
| 1.   | Does the certificate holder's Weather Reporting/SAWRS process include the following process measurements:  |   |
| 1.1. | Is there a process measurement or process measurements that would reveal if the dispatcher/flight follower failed to provide current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.2. | Is there a process measurement or process measurements that would reveal if the pilot failed to receive current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations?                      | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.3. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to provide current, approved weather reporting while conducting nonscheduled passenger and all-cargo operations?              | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.4. | Is there a process measurement or process measurements that would reveal if the dispatcher/flight follower failed to provide sufficient weather reports along the route of operation?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.5. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to maintain approval by the U.S. National Weather Service?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.6. | Is there a process measurement or process measurements that would reveal if the flight crew failed to use only weather reports approved by the U.S. National Weather Service?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |



|       |   |   |
|-------|---|---|
| 1.7.  | Is there a process measurement or process measurements that would reveal if the dispatch/flight follower failed to use only weather reports approved by the U.S. National Weather Service?                          | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.8.  | Is there a process measurement or process measurements that would reveal if the flight crew failed to use only weather reports approved by the Administrator?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.9.  | Is there a process measurement or process measurements that would reveal if the dispatcher/flight follower failed to use only weather reports approved by the Administrator?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |
| 1.10. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to provide reports of adverse weather phenomena?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.11. | Is there a process measurement or process measurements that would reveal if the dispatch/flight follower failed to use only weather reports approved by the Administrator for operations at U.S. military airports? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.12. | Is there a process measurement or process measurements that would reveal if the flightcrew failed to use only weather reports approved by the Administrator for operations at U.S. military airports?               | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.13. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to perform tests in accordance with Appendix E of Part 43 on its aircraft type altimeters?                     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.14. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to perform calibrations every 24 months on its aircraft type altimeters?                                       | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.15. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to control environmental conditions to reduce induced errors?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.16. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to have proper venting for altimeters that use forced air systems?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.17. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to properly mount its altimeters in a box or rack in a reasonable, permanent location??                        | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.18. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to properly mount and mark its altimeters at a known height?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.19. | Is there a process measurement or process measurements that would reveal if the SAWRS station personnel failed to be properly trained and qualified?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.20. | Is there a process measurement or process measurements that would reveal if the SAWRS station failed to maintain the equipment used to communicate to the pilot?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.21. | Is there a process measurement or process measurements that would reveal if the certificate holder failed to maintain training records for personnel at non-federal weather reporting facilities?                   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br><input type="checkbox"/> Not Applicable |
| 1.22. | Is there a process measurement or process measurements that would reveal if the certificate holder failed to ensure that non-federal weather reporting facilities   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain  |



|    |   |  |
|----|---|--|
|    | are maintained in accordance with their policies and procedures?  | <input type="checkbox"/> Not Applicable                              |
| 2. | Is there a process measurement or process measurements that would reveal if the certificate holder s policy, procedures, instructions, and information contained in its manual were not followed? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 3. | Does the certificate holder document its process measurements results?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 4. | Does the certificate holder s manual provide for the use of process measurement results to improve its programs?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 5. | Does the organization that conducts the process measurements have direct access to the person with responsibility for the Weather Reporting / SAWRS process?                                      | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |



| <b>SAI SECTION 3 - PROCESS MEASUREMENT ATTRIBUTE</b><br><b>Drop-Down Menu</b> |   |
|---|---|
| 1.  | No process measurements specified.  |
| 2.  | Documentation for the process measurements does not identify (who, what, when, where, how). |
| 3.  | Inability to identify negative findings.  |
| 4.  | No provisions for implementing corrective actions.  |
| 5.  | Ineffective follow-up to determine effectiveness of corrective actions.                     |
| 6.  | Resources requirements (personnel, facilities, equipment, technical data).                  |
| 7.  | Other.  |



### SAI SECTION 4 - INTERFACES ATTRIBUTE

**Objective:** Interfaces are used by the certificate holder to identify and to manage the interactions between processes. The questions in this section of the DCT are designed to assist the inspector in determining whether or not interactions between the policies, procedures, or instructions and information associated with other independent processes within the certificate holder's organization are documented. Written policies, procedures, or instructions and information that are interrelated and located in different manuals within the certificate holder's manual system must be consistent and complement each other. For the interfaces to be effectively managed, it is not only important to identify what the interfaces are, but it is imperative to document the specific location of the interfaces within the certificate holder's manual system.

#### Tasks

|    |  |
|----|--|
|    | To meet this objective, the inspector must accomplish the following tasks:   |
| 1. | Review the interfaces associated with the Weather Reporting/SAWRS process that have been identified along with the individual questions in section 1, Procedures, of this DCT. |
| 2. | Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the interfaces that it has documented.                         |

#### Questions

|    |   |  |
|----|---|--|
|    | To meet this objective, the inspector must answer the following questions:<br>Note: The design job task items (JTIs) displayed with the questions in Section 1, Procedures, of this DCT identify potential interfaces (by element number) for this element. |  |
| 1. | Does the certificate holder's manual properly address the interfaces that are identified along with the questions in Section 1, Procedures of this DCT?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |
| 2. | Does the certificate holder's manual document a method for assessing the impact of any changes to the associated interfaces within the Weather Reporting / SAWRS process?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain |



| <b>SAI SECTION 4 - INTERFACES ATTRIBUTE</b><br><b>Drop-Down Menu</b> |  |
|--|--|
| 1.   | No interfaces specified.   |
| 2.   | The following interfaces not identified within the Certificate Holder's manual system: |
| 3.   | Interfaces listed are inaccurate.  |
| 4.   | Specific location of interfaces not identified within the manual system.               |
| 5.   | Other  |



## SAI SECTION 5 - MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTES

**Objective:** The questions in this section of the DCT address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified, and knowledgeable person who is responsible for the process, is answerable for the quality of the process, and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)

### Tasks

|    |   |
|----|---|
|    | To meet this objective, the inspector must accomplish the following tasks:                              |
| 1. | Identify the person who has overall responsibility for the Weather Reporting/SAWRS process.             |
| 2. | Identify the person who has overall authority for the Weather Reporting/SAWRS process.                  |
| 3. | Review the duties and responsibilities of the person(s), documented in the certificate holder's manual. |
| 4. | Review the appropriate organizational chart.  |

### Questions

|    |   |   |
|----|---|---|
|    | To meet this objective, the inspector must answer the following questions:  |   |
| 1. | Does the certificate holder's manual clearly identify who is responsible for the quality of the Weather Reporting/SAWRS process?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br>Name/Title: |
| 2. | Does the certificate holder's manual clearly identify who has authority to establish and modify the policies, procedures, instructions, and information for the Weather Reporting/SAWRS process?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain<br>Name/Title: |
| 3. | Does the certificate holder's manual include the duties and responsibilities of those who manage the work required by the Weather Reporting/SAWRS process?<br>SRRs: 121.135(b)(2)   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 4. | Does the certificate holder's manual include instructions and information for those who manage the work required by the Weather Reporting/SAWRS process?<br>SRRs: 121.135(a)(1)   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 5. | Does the certificate holder's manual clearly and completely document the responsibility for this position?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 6. | Does the certificate holder's manual clearly and completely document the authority for this position?   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 7. | Does the certificate holder's manual clearly and completely document their qualification standards for the person having responsibility for the Weather Reporting/SAWRS process?  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 8. | Does the certificate holder's manual clearly and completely document its qualification standards for the person having authority to establish and modify the certificate holder's policies, procedures, instructions and information for the Weather Reporting/SAWRS process? | <input type="checkbox"/> Yes<br><input type="checkbox"/> No, Explain                |
| 9. | Does the certificate holder's manual clearly and completely document the procedures for delegation of authority for the Weather Reporting/SAWRS   | <input type="checkbox"/> Yes  |



|  |          |                                      |
|--|----------|--------------------------------------|
|  | process? | <input type="checkbox"/> No, Explain |
|--|----------|--------------------------------------|



| <b>SAI SECTION 5 - MANAGEMENT RESPONSIBILITY &amp; AUTHORITY ATTRIBUTES</b><br><b>Drop-Down Menu</b> |                           |
|--|---------------------------|
| 1.   | Not documented.           |
| 2.   | Documentation unclear.    |
| 3.   | Documentation incomplete. |
| 4.   | Other.                    |